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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	JAN 02	STN pricing information for 2008 now available
NEWS	3	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS	4	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS	5	JAN 28	MARPAT searching enhanced
NEWS	6	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS	7	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS	8	JAN 28	MEDLINE and LMEDLINE reloaded with enhancements
NEWS	9	FEB 08	STN Express, Version 8.3, now available
NEWS	10	FEB 20	PCI now available as a replacement to DPCI
NEWS	11	FEB 25	IFIREF reloaded with enhancements
NEWS	12	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS	13	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification
NEWS	14	MAR 31	IFICDB, IFIPAT, and IFIUDB enhanced with new custom IPC display formats
NEWS	15	MAR 31	CAS REGISTRY enhanced with additional experimental spectra
NEWS	16	MAR 31	CA/CAPLUS and CASREACT patent number format for U.S. applications updated
NEWS	17	MAR 31	LPCI now available as a replacement to LDPCI
NEWS	18	MAR 31	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	19	APR 04	STN AnaVist, Version 1, to be discontinued
NEWS	20	APR 15	WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats
NEWS	21	APR 28	EMBASE Controlled Term thesaurus enhanced
NEWS	22	APR 28	IMSRESEARCH reloaded with enhancements
NEWS	23	MAY 30	INPAFAMDB now available on STN for patent family searching
NEWS	24	MAY 30	DGENE, PCTGEN, and USGENE enhanced with new homology sequence search option
NEWS	25	JUN 06	EPFULL enhanced with 260,000 English abstracts
NEWS	26	JUN 06	KOREAPAT updated with 41,000 documents
NEWS	27	JUN 13	USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications
NEWS EXPRESS		FEBRUARY 08	CURRENT WINDOWS VERSION IS V8.3, AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS LOGIN			Welcome Banner and News Items
NEWS IPC8			For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 21:17:36 ON 14 JUN 2008

=>

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.14	7.14

FILE 'MEDLINE' ENTERED AT 21:37:59 ON 14 JUN 2008

FILE 'AGRICOLA' ENTERED AT 21:37:59 ON 14 JUN 2008

FILE 'CABA' ENTERED AT 21:37:59 ON 14 JUN 2008

COPYRIGHT (C) 2008 CAB INTERNATIONAL (CABI)

FILE 'CAPLUS' ENTERED AT 21:37:59 ON 14 JUN 2008

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FILE 'BIOSIS' ENTERED AT 21:37:59 ON 14 JUN 2008

Copyright (c) 2008 The Thomson Corporation

FILE 'BIOTECHNO' ENTERED AT 21:37:59 ON 14 JUN 2008

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=> s (abdullah, m? or abdullah m?)/au

L1 1414 (ABDULLAH, M? OR ABDULLAH M?)/AU

=> s (kulaveerasingam, h? or kulaveerasingam h?)/au

L2 13 (KULAVEERASINGAM, H? OR KULAVEERASINGAM H?)/AU

=> s l1 and l2

L3 4 L1 AND L2

=> duplicate remove l3

DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L3

L4 3 DUPLICATE REMOVE L3 (1 DUPLICATE REMOVED)

=> d l4 1-3 ti

L4 ANSWER 1 OF 3 MEDLINE on STN

TI Analysis and functional annotation of expressed sequence tags (ESTs) from multiple tissues of oil palm (*Elaeis guineensis* Jacq.).

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN DUPLICATE 1

TI Analysis and functional annotation of expressed sequence tags (ESTs) from multiple tissues of oil palm (*Elaeis guineensis* Jacq.)

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN
TI Protein and cDNA sequences of oil palm peroxiredoxin gene as plant
embryogenesis marker

=> d 14 1, 3 bib

L4 ANSWER 1 OF 3 MEDLINE on STN
AN 2008078899 MEDLINE
DN PubMed ID: 17953740
TI Analysis and functional annotation of expressed sequence tags (ESTs) from
multiple tissues of oil palm (*Elaeis guineensis* Jacq.).
AU Ho Chai-Ling; Kwan Yen-Yen; Choi Mei-Chooi; Tee Sue-Sean; Ng Wai-Har; Lim
Kok-Ang; Lee Yang-Ping; Ooi Siew-Eng; Lee Weng-Wah; Tee Jin-Ming; Tan
Siang-Hee; Kulaveerasingam Harikrishna; Alwee Sharifah Shahrul
Rabiah Syed; Abdullah Meilina Ong
CS Department of Cell and Molecular Biology, Faculty of Biotechnology and
Biomolecular Sciences, Universiti Putra Malaysia, 43400 UPM-Serdang,
Selangor, Malaysia.. clho@biotech.upm.edu.my
SO BMC genomics, (2007) Vol. 8, pp. 381. Electronic Publication: 2007-10-22.
Journal code: 100965258. E-ISSN: 1471-2164.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 200803
ED Entered STN: 2 Feb 2008
Last Updated on STN: 8 Mar 2008
Entered Medline: 7 Mar 2008

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2002:486238 CAPLUS
DN 137:42661
TI Protein and cDNA sequences of oil palm peroxiredoxin gene as plant
embryogenesis marker
IN Abdullah, Meilina Ong; Kulaveerasingam, Harikrishna
PA Malaysian Palm Oil Board, Malay.
SO Eur. Pat. Appl., 41 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1217068	A2	20020626	EP 2001-310705	20011220
	EP 1217068	A3	20020717		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	AU 2001097279	A	20020627	AU 2001-97279	20011218
	AU 785456	B2	20070712		
PRAI	AU 2000-2213	A	20001220		

=> s 11 or 12

L5 1423 L1 OR L2

=> s 15 not 13

L6 1419 L5 NOT L3

=> s peroxiredoxin

L7 4134 PEROXIREDOXIN

```

=> s 16 and 17
L8          0 L6 AND L7

=> s 17 and (oil(w)palm or elaeis(w)olifera)
L9          1 L7 AND (OIL(W) PALM OR ELAEIS(W) OLIFERA)

=> s 19 not 15
L10         0 L9 NOT L5

=> s 17 and plant
L11         382 L7 AND PLANT

=> s l11 and (transformed or transgenic)
L12         54 L11 AND (TRANSFORMED OR TRANSGENIC)

=> s l12 not 15
L13         54 L12 NOT L5

=> duplicate remove l13
DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L13
L14         26 DUPLICATE REMOVE L13 (28 DUPLICATES REMOVED)

=> d l14 1-10 ti

L14 ANSWER 1 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
TI Transgenic plants expressing foreign genes for fatty acid
desaturases and elongases for the manufacture of polyunsaturated fatty
acids

L14 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
TI Protein and cDNA sequences of corn stress-inducible transcriptional factor
DREB2A and uses in improving stress resistance in transgenic
plants

L14 ANSWER 3 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
TI Toxicity assessment of wastewater by proteomics analysis

L14 ANSWER 4 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
TI Alternate quaternary isoforms (morpheins) of porphobilinogen synthase and
other allosteric enzymes as a target for the development of antimicrobials
and herbicides

L14 ANSWER 5 OF 26 MEDLINE on STN
TI Rice NTRC is a high-efficiency redox system for chloroplast protection
against oxidative damage.

L14 ANSWER 6 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
TI Functional replacement of ferredoxin by a cyanobacterial flavodoxin in
tobacco confers broad-range stress tolerance

L14 ANSWER 7 OF 26 CABA COPYRIGHT 2008 CABI on STN DUPLICATE 1
TI The function of peroxiredoxins in plant organelle redox
metabolism.

L14 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
TI Overexpression of a chloroplast-located peroxiredoxin Q gene,
SsPrxQ, increases the salt and low-temperature tolerance of Arabidopsis

L14 ANSWER 9 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN

```

TI 2-Cysteine peroxiredoxin complex exhibiting function acting as
molecular chaperone and uses thereof

L14 ANSWER 10 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN

TI Sulfiredoxins and their use in diagnosis and treatment of
neurodegenerative diseases and cancer and in drug screening

=> d 114 8,9 bib

L14 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2006:1209114 CAPLUS

DN 147:138427

TI Overexpression of a chloroplast-located peroxiredoxin Q gene,
SsPrxQ, increases the salt and low-temperature tolerance of Arabidopsis

AU Jing, Li-Wen; Chen, Shi-Hua; Guo, Xiao-Li; Zhang, Hui; Zhao, Yan-Xiu

CS Key Laboratory of Plant Stress Research, College of Life Sciences,
Shandong Normal University, Jinan, 250014, Peop. Rep. China

SO Journal of Integrative Plant Biology (2006), 48(10), 1244-1249

CODEN: JIPBAV; ISSN: 1672-9072

PB Blackwell Publishing Asia Pty Ltd.

DT Journal

LA English

RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 9 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2005:1290163 CAPLUS

DN 144:32867

TI 2-Cysteine peroxiredoxin complex exhibiting function acting as
molecular chaperone and uses thereof

IN Lee, Sang Yeol; Cho, Moo Je; Moon, Jeong Chan; Park, Jin Ho; Kim, Sun
Young; Lee, Young Mi; Jeon, Min Gyu; Jung, Ji Hyun; Lim, Chae Oh; Jang, Ho
Hee; Jung, Tae Sung; Cheong, Gang Won; Lee, Jung Ro; Park, Soo Kwon; Lee,
Seoung Sik; Chi, Yong Hun; Jeon, Hye Sook

PA Industry-Academic Cooperation Foundation Gyeong Sang National University,
S. Korea

SO PCT Int. Appl., 98 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	WO 2005116082	A1	20051208	WO 2005-KR1568	20050527
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	KR 2006045902	A	20060517	KR 2005-37546	20050504
PRAI	KR 2004-37875	A	20040527		
	KR 2005-37546	A	20050504		

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 114 11-20 ti

- L14 ANSWER 11 OF 26 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2008) on STN DUPLICATE 2
- TI A Peroxiredoxin Q Homolog from Gentians is Involved in Both Resistance Against Fungal Disease and Oxidative Stress.
- L14 ANSWER 12 OF 26 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2008) on STN
- TI Analysis of the proteins targeted by CDSP32, a plastidic thioredoxin participating in oxidative stress responses.
- L14 ANSWER 13 OF 26 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2008) on STN
- TI Poplar peroxiredoxin Q. A thioredoxin-linked chloroplast antioxidant functional in pathogen defense.
- L14 ANSWER 14 OF 26 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2008) on STN
- TI The acceptor availability of photosystem I and ABA control nuclear expression of 2-Cys peroxiredoxin-A in Arabidopsis thaliana.
- L14 ANSWER 15 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
- TI Using mutants to understand light stress acclimation in plants
- L14 ANSWER 16 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
- TI High protein phenotype-associated plant genes and their use for generating transgenic plants with improved nutritional properties
- L14 ANSWER 17 OF 26 MEDLINE on STN DUPLICATE 3
- TI Potato plants lacking the CDSP32 plastidic thioredoxin exhibit overoxidation of the BAS1 2-cysteine peroxiredoxin and increased lipid Peroxidation in thylakoids under photooxidative stress.
- L14 ANSWER 18 OF 26 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2008) on STN DUPLICATE 4
- TI Seed 1-cysteine peroxiredoxin antioxidants are not involved in dormancy, but contribute to inhibition of germination during stress.
- L14 ANSWER 19 OF 26 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2008) on STN
- TI ABI3 mediates expression of the peroxiredoxin antioxidant atPER1 gene and induction by oxidative stress.
- L14 ANSWER 20 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
- TI NDP kinase 2 regulates expression of antioxidant genes in Arabidopsis

=> d 114 11,13,14,16,17,18 bib

L14 ANSWER 11 OF 26 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.
(2008) on STN DUPLICATE 2

AN 2005:53492 AGRICOLA

DN IND43725323

TI A Peroxiredoxin Q Homolog from Gentians is Involved in Both Resistance Against Fungal Disease and Oxidative Stress.

AU Kiba, Akinori; Nishihara, Masahiro; Tsukatani, Nobue; Nakatsuka, Takashi; Kato, Yoshiaki; Yamamura, Saburo

AV DNAL (450 P699)

SO Plant and cell physiology, 2005 Jun. Vol. 46, no. 6 p. 1007-1015
ISSN: 0032-0781

NTE Includes references

DT Article

FS Non-US

LA English

L14 ANSWER 13 OF 26 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.
(2008) on STN

AN 2004:15697 AGRICOLA

DN IND43621463

TI Poplar peroxiredoxin Q. A thioredoxin-linked chloroplast antioxidant functional in pathogen defense.

AU Rouhier, N.; Gelhaye, E.; Gualberto, J.M.; Jordy, M.N.; Fay, E. de; Hirasawa, M.; Duplessis, S.; Lemaire, S.D.; Frey, P.; Martin, F.

AV DNAL (450 P692)

SO Plant physiology, 2004 Mar. Vol. 134, no. 3 p. 1027-1038
ISSN: 0032-0889

NTE Includes references

DT Article; Conference

FS Other US

LA English

L14 ANSWER 14 OF 26 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.
(2008) on STN

AN 2004:45988 AGRICOLA

DN IND43645316

TI The acceptor availability of photosystem I and ABA control nuclear expression of 2-Cys peroxiredoxin-A in Arabidopsis thaliana.

AU Baier, M.; Stroher, E.; Dietz, K.J.

AV DNAL (450 P699)

SO Plant and cell physiology, 2004 Aug. Vol. 45, no. 8 p. 997-1006
ISSN: 0032-0781

NTE Includes references

DT Article

FS Non-US

LA English

L14 ANSWER 16 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2003:261949 CAPLUS

DN 138:282450

TI High protein phenotype-associated plant genes and their use for generating transgenic plants with improved nutritional properties

IN Su, Wenpei; Andon, Nancy; Haynes, Paul; Briggs, Steven P.; Cooper, Bret;
 Glazebrook, Jane; Goff, Stephen A.; Katagiri, Fumiaki; Kreps, Joel;
 Moughamer, Todd; Provart, Nicholas; Ricke, Darrell; Zhu, Tong
 PA Syngenta Participations AG, Switz.
 SO PCT Int. Appl., 163 pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 11

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003027249	A2	20030403	WO 2002-US30475	20020926
	WO 2003027249	A3	20050728		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	EP 1925672	A1	20080528	EP 2008-102091	20020621
	R:	AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE, TR			
	AU 2002337695	A1	20030407	AU 2002-337695	20020926
	US 20030135888	A1	20030717	US 2002-259165	20020926
	US 20040010815	A1	20040115	US 2002-259194	20020926
	EP 1576163	A2	20050921	EP 2002-773582	20020926
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK			
PRAI	US 2001-325277P	P	20010926		
	US 2002-370526P	P	20020404		
	US 2002-370620P	P	20020404		
	US 2001-300112P	P	20010622		
	US 2001-314662P	P	20010824		
	US 2001-332132P	P	20011121		
	US 2002-368327P	P	20020327		
	US 2002-370743P	P	20020404		
	EP 2002-775690	A3	20020621		
	WO 2002-US30475	W	20020926		

L14 ANSWER 17 OF 26 MEDLINE on STN DUPLICATE 3
 AN 2003328574 MEDLINE
 DN PubMed ID: 12857815
 TI Potato plants lacking the CDSP32 plastidic thioredoxin exhibit overoxidation of the BAS1 2-cysteine peroxiredoxin and increased lipid Peroxidation in thylakoids under photooxidative stress.
 AU Broin Melanie; Rey Pascal
 CS Commissariat a l'Energie Atomique (CEA)/Cadarache, Direction des Sciences du Vivant, Departement d'Ecophysiologie Vegetale et de Microbiologie, Laboratoire d'Ecophysiologie de la Photosynthese, France.
 SO Plant physiology, (2003 Jul) Vol. 132, No. 3, pp. 1335-43.
 Journal code: 0401224. ISSN: 0032-0889.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200311
 ED Entered STN: 15 Jul 2003
 Last Updated on STN: 8 Nov 2003

Entered Medline: 7 Nov 2003

L14 ANSWER 18 OF 26 AGRICOLA Compiled and distributed by the National
Agricultural Library of the Department of Agriculture of the United States
of America. It contains copyrighted materials. All rights reserved.
(2008) on STN DUPLICATE 4
AN 2006:55872 AGRICOLA
DN IND43817583
TI Seed l-cysteine peroxiredoxin antioxidants are not involved in
dormancy, but contribute to inhibition of germination during stress.
AU Haslekas, C.; Viken, M.K.; Grini, P.E.; Nygaard, V.; Nordgard, S.H.; Meza,
T.J.; Aalen, R.B.
AV DNAL (450 P692)
SO Plant physiology, 2003 Nov. Vol. 133, no. 3 p. 1148-1157
ISSN: 0032-0889
NTE Includes references
DT Article; Conference
FS Other US
LA English

=> d 114 21-26 ti

L14 ANSWER 21 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
TI Environmental stress responsive gene promoters identified from Arabidopsis
thaliana and use thereof for preparation of stress-responsive
transgenic plants

L14 ANSWER 22 OF 26 MEDLINE on STN DUPLICATE 5
TI The plastidic 2-cysteine peroxiredoxin is a target for a
thioredoxin involved in the protection of the photosynthetic apparatus
against oxidative damage.

L14 ANSWER 23 OF 26 MEDLINE on STN DUPLICATE 6
TI Antisense suppression of 2-cysteine peroxiredoxin in Arabidopsis
specifically enhances the activities and expression of enzymes associated
with ascorbate metabolism but not glutathione metabolism.

L14 ANSWER 24 OF 26 MEDLINE on STN DUPLICATE 7
TI Rice lCys-peroxiredoxin over-expressed in transgenic
tobacco does not maintain dormancy but enhances antioxidant activity.

L14 ANSWER 25 OF 26 MEDLINE on STN DUPLICATE 8
TI Protective function of chloroplast 2-cysteine peroxiredoxin in
photosynthesis. Evidence from transgenic Arabidopsis.

L14 ANSWER 26 OF 26 CABA COPYRIGHT 2008 CABI on STN DUPLICATE 9
TI The plant 2-Cys peroxiredoxin protects chloroplasts
from oxidative damage.

=> d 114 21-26 bib

L14 ANSWER 21 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2002:406957 CAPLUS
DN 137:1535
TI Environmental stress responsive gene promoters identified from Arabidopsis
thaliana and use thereof for preparation of stress-responsive
transgenic plants
IN Shinozaki, Kazuo; Seki, Motoaki; Nanjo, Tokihiko
PA Riken Corp., Japan; Toyota Jidosha Kabushiki Kaisha
SO Eur. Pat. Appl., 87 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	EP 1209228	A2	20020529	EP 2001-127716	20011121
	EP 1209228	A3	20021030		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	JP 2002325583	A	20021112	JP 2001-309984	20011005
	JP 3995912	B2	20071024		
	US 20070006348	A1	20070104	US 2001-988739	20011120
	AU 2001091431	A	20020523	AU 2001-91431	20011121
	AU 785384	B2	20070329		
	CN 1373222	A	20021009	CN 2001-145739	20011122
	JP 2007167074	A	20070705	JP 2007-32680	20070213
	AU 2007201459	A1	20070419	AU 2007-201459	20070403
PRAI	JP 2000-356652	A	20001122		
	JP 2001-309984	A	20011005		
	AU 2001-91431	A	20011121		

L14 ANSWER 22 OF 26 MEDLINE on STN DUPLICATE 5

AN 2002419887 MEDLINE

DN PubMed ID: 12084836

TI The plastidic 2-cysteine peroxiredoxin is a target for a
thioredoxin involved in the protection of the photosynthetic apparatus
against oxidative damage.

AU Broin Melanie; Cuine Stephan; Eymery Francoise; Rey Pascal

CS Commissariat a l'Energie Atomique/Cadarache, Direction des Sciences du
Vivant, Departement d'Ecophysiologie Vegetale et de Microbiologie,
Universite de la Mediterranee CEA 1000, 13108 Saint-Paul-lez-Durance
Cedex, France.

SO The Plant cell, (2002 Jun) Vol. 14, No. 6, pp. 1417-32.
Journal code: 9208688. ISSN: 1040-4651.

CY United States

DT (COMPARATIVE STUDY)

Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

OS GENBANK-AC009978; GENBANK-AJ318055; GENBANK-Y09987; SWISSPROT-Q96291

EM 200209

ED Entered STN: 15 Aug 2002

Last Updated on STN: 24 Sep 2002

Entered Medline: 23 Sep 2002

L14 ANSWER 23 OF 26 MEDLINE on STN DUPLICATE 6

AN 2001102027 MEDLINE

DN PubMed ID: 11027730

TI Antisense suppression of 2-cysteine peroxiredoxin in Arabidopsis
specifically enhances the activities and expression of enzymes associated
with ascorbate metabolism but not glutathione metabolism.

AU Baier M; Noctor G; Foyer C H; Dietz K J

CS Stoffwechselphysiologie und Biochemie der Pflanzen, Universitat Bielefeld,
Universitätsstrabetae 25, 33615 Bielefeld, Germany..
margarete.baier@biologie.uni-bielefeld.de

SO Plant physiology, (2000 Oct) Vol. 124, No. 2, pp. 823-32.
Journal code: 0401224. ISSN: 0032-0889.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

(RESEARCH SUPPORT, NON-U.S. GOV'T)

LA English

FS Priority Journals
EM 200101
ED Entered STN: 22 Mar 2001
Last Updated on STN: 22 Mar 2001
Entered Medline: 26 Jan 2001

L14 ANSWER 24 OF 26 MEDLINE on STN DUPLICATE 7
AN 2001091867 MEDLINE
DN PubMed ID: 11113447
TI Rice lCys-peroxiredoxin over-expressed in transgenic tobacco does not maintain dormancy but enhances antioxidant activity.
AU Lee K O; Jang H H; Jung B G; Chi Y H; Lee J Y; Choi Y O; Lee J R; Lim C O; Cho M J; Lee S Y
CS School of Applied Life Sciences, Gyeongsang National University, 660-701, Chinju, South Korea.
SO FEBS letters, (2000 Dec 8) Vol. 486, No. 2, pp. 103-6.
Journal code: 0155157. ISSN: 0014-5793.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 200101
ED Entered STN: 22 Mar 2001
Last Updated on STN: 22 Mar 2001
Entered Medline: 25 Jan 2001

L14 ANSWER 25 OF 26 MEDLINE on STN DUPLICATE 8
AN 1999214472 MEDLINE
DN PubMed ID: 10198100
TI Protective function of chloroplast 2-cysteine peroxiredoxin in photosynthesis. Evidence from transgenic Arabidopsis.
AU Baier M; Dietz K J
CS Stoffwechselphysiologie und Biochemie der Pflanzen, Universitat Bielefeld, Universitätsstrasse 25, 33615 Bielefeld, Germany.
SO Plant physiology, (1999 Apr) Vol. 119, No. 4, pp. 1407-14.
Journal code: 0401224. ISSN: 0032-0889.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 199905
ED Entered STN: 7 Jun 1999
Last Updated on STN: 14 Jan 2000
Entered Medline: 24 May 1999

L14 ANSWER 26 OF 26 CABA COPYRIGHT 2008 CABI on STN DUPLICATE 9
AN 1999:110929 CABA
DN 19991608126
TI The plant 2-Cys peroxiredoxin protects chloroplasts from oxidative damage
AU Baier, M.; Dietz, K. J.; Garab, G. [EDITOR]
CS Universitat Bielefeld, 33615 Bielefeld, Germany.
SO Photosynthesis: mechanisms and effects. Volume III. Proceedings of the XIth International Congress on Photosynthesis, Budapest, Hungary, 17-22 August, 1998, (1998) pp. 2003-2006. 11 ref.
Publisher: Kluwer Academic Publishers. Dordrecht
Meeting Info.: Photosynthesis: mechanisms and effects. Volume III. Proceedings of the XIth International Congress on Photosynthesis, Budapest, Hungary, 17-22 August, 1998.
ISBN: 0-7923-5544-X; 0-7923-5547-4

CY Netherlands Antilles
DT Conference Article
LA English
ED Entered STN: 11 Aug 1999
Last Updated on STN: 11 Aug 1999

=> d his

(FILE 'HOME' ENTERED AT 21:17:36 ON 14 JUN 2008)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
21:37:59 ON 14 JUN 2008

L1 1414 S (ABDULLAH, M? OR ABDULLAH M?)/AU
L2 13 S (KULAVEERASINGAM, H? OR KULAVEERASINGAM H?)/AU
L3 4 S L1 AND L2
L4 3 DUPLICATE REMOVE L3 (1 DUPLICATE REMOVED)
L5 1423 S L1 OR L2
L6 1419 S L5 NOT L3
L7 4134 S PEROXIREDOXIN
L8 0 S L6 AND L7
L9 1 S L7 AND (OIL(W)PALM OR ELAEIS(W)OLIFERA)
L10 0 S L9 NOT L5
L11 382 S L7 AND PLANT
L12 54 S L11 AND (TRANSFORMED OR TRANSGENIC)
L13 54 S L12 NOT L5
L14 26 DUPLICATE REMOVE L13 (28 DUPLICATES REMOVED)

=> file uspatfull

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	50.80	57.94

FILE 'USPATFULL' ENTERED AT 21:44:52 ON 14 JUN 2008
CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 12 Jun 2008 (20080612/PD)
FILE LAST UPDATED: 12 Jun 2008 (20080612/ED)
HIGHEST GRANTED PATENT NUMBER: US7386892
HIGHEST APPLICATION PUBLICATION NUMBER: US20080141427
CA INDEXING IS CURRENT THROUGH 12 Jun 2008 (20080612/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 12 Jun 2008 (20080612/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2008
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2008

=> s 13

11 ABDULLAH, M?/AU
11 ABDULLAH M?/AU
0 KULAVEERASINGAM, H?/AU
0 KULAVEERASINGAM H?/AU
L15 0 L1 AND L2

=> s 15

11 ABDULLAH, M?/AU
11 ABDULLAH M?/AU
0 KULAVEERASINGAM, H?/AU
0 KULAVEERASINGAM H?/AU
L16 11 L1 OR L2

=> s 111

255 PEROXIREDOXIN

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288608 PLANT
L17      127 L7 AND PLANT

=> s 116 and 117
L18      0 L16 AND L17

=> s 112
      255 PEROXIREDOXIN
      288608 PLANT
      243325 TRANSFORMED
      51583 TRANSGENIC
L19      115 L11 AND (TRANSFORMED OR TRANSGENIC)

=> s peroxiredoxin(s)plant
      255 PEROXIREDOXIN
      288608 PLANT
L20      28 PEROXIREDOXIN(S)PLANT

=> s 119 and 120
L21      28 L19 AND L20

=> d 121 1-10 ti

L21 ANSWER 1 OF 28  USPATFULL on STN
TI   Genes and uses for plant improvement

L21 ANSWER 2 OF 28  USPATFULL on STN
TI   Transgenic plants with enhanced agronomic traits

L21 ANSWER 3 OF 28  USPATFULL on STN
TI   Transgenic corn seed with enhanced free lysine

L21 ANSWER 4 OF 28  USPATFULL on STN
TI   Rice regulatory sequences for gene expression in defined wheat tissue

L21 ANSWER 5 OF 28  USPATFULL on STN
TI   Genes and uses for plant improvement

L21 ANSWER 6 OF 28  USPATFULL on STN
TI   DOMINANT NEGATIVE MUTANT KRP PROTEIN PROTECTION OF ACTIVE CYCLIN-CDK
      COMPLEX INHIBITION BY WILD-TYPE KRP

L21 ANSWER 7 OF 28  USPATFULL on STN
TI   Cloning of novel gene sequences expressed and repressed during winter
      dormancy in the apical buds of tea

L21 ANSWER 8 OF 28  USPATFULL on STN
TI   Dissimilar promoters for gene suppression

L21 ANSWER 9 OF 28  USPATFULL on STN
TI   Transgenic plants with enhanced agronomic traits

L21 ANSWER 10 OF 28  USPATFULL on STN
TI   Method to trigger RNA interference

=> d 121 11-28 ti

L21 ANSWER 11 OF 28  USPATFULL on STN
TI   Gene suppression in transgenic plants using multiple
      constructs

```

L21 ANSWER 12 OF 28 USPATFULL on STN
 TI Antioxidant pharmaceutical compound, method for producing polypeptide and method of cure

L21 ANSWER 13 OF 28 USPATFULL on STN
 TI Flexible method and apparatus for high throughput production and purification of multiple proteins

L21 ANSWER 14 OF 28 USPATFULL on STN
 TI Genes and uses for plant improvement

L21 ANSWER 15 OF 28 USPATFULL on STN
 TI Enhanced zein reduction in transgenic corn seed

L21 ANSWER 16 OF 28 USPATFULL on STN
 TI Maize seed with synergistically enhanced lysine content

L21 ANSWER 17 OF 28 USPATFULL on STN
 TI Genes and uses for plant improvement

L21 ANSWER 18 OF 28 USPATFULL on STN
 TI Transgenic plants expressing cytokinin biosynthetic genes and methods of use therefor

L21 ANSWER 19 OF 28 USPATFULL on STN
 TI Transgenic corn seed with enhanced amino acid content

L21 ANSWER 20 OF 28 USPATFULL on STN
 TI Recombinant DNA for gene suppression

L21 ANSWER 21 OF 28 USPATFULL on STN
 TI Transgenic plants with improved phenotypes

L21 ANSWER 22 OF 28 USPATFULL on STN
 TI Materials and methods for the modulation of cyclin-dependent kinase inhibitor-like polypeptides in maize

L21 ANSWER 23 OF 28 USPATFULL on STN
 TI Flexible method and apparatus for high throughput production and purification of multiple proteins

L21 ANSWER 24 OF 28 USPATFULL on STN
 TI Gene sequences and uses thereof in plants

L21 ANSWER 25 OF 28 USPATFULL on STN
 TI Cloning of novel gene sequences expressed and repressed during winter dormancy in the apical buds of tea (*Camellia sinensis* L. (O.) Kuntze) bush

L21 ANSWER 26 OF 28 USPATFULL on STN
 TI Flexible method and apparatus for high throughput production and purification of multiple proteins

L21 ANSWER 27 OF 28 USPATFULL on STN
 TI Polynucleotides and polypeptides derived from corn ear

L21 ANSWER 28 OF 28 USPATFULL on STN
 TI Expressed sequences of *arabidopsis thaliana*

=> d his

(FILE 'HOME' ENTERED AT 21:17:36 ON 14 JUN 2008)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT 21:37:59 ON 14 JUN 2008

L1 1414 S (ABDULLAH, M? OR ABDULLAH M?)/AU
L2 13 S (KULAVEERASINGAM, H? OR KULAVEERASINGAM H?)/AU
L3 4 S L1 AND L2
L4 3 DUPLICATE REMOVE L3 (1 DUPLICATE REMOVED)
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L6 1419 S L5 NOT L3
L7 4134 S PEROXIREDOXIN
L8 0 S L6 AND L7
L9 1 S L7 AND (OIL(W)PALM OR ELAEIS(W)OLIFERA)
L10 0 S L9 NOT L5
L11 382 S L7 AND PLANT
L12 54 S L11 AND (TRANSFORMED OR TRANSGENIC)
L13 54 S L12 NOT L5
L14 26 DUPLICATE REMOVE L13 (28 DUPLICATES REMOVED)

FILE 'USPATFULL' ENTERED AT 21:44:52 ON 14 JUN 2008

L15 0 S L3
L16 11 S L5
L17 127 S L11
L18 0 S L16 AND L17
L19 115 S L12
L20 28 S PEROXIREDOXIN(S)PLANT
L21 28 S L19 AND L20

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

6.00

63.94

STN INTERNATIONAL LOGOFF AT 21:47:24 ON 14 JUN 2008